

**Fig. 1. Reporting Cell Response to BNF and Tissue Extracts**

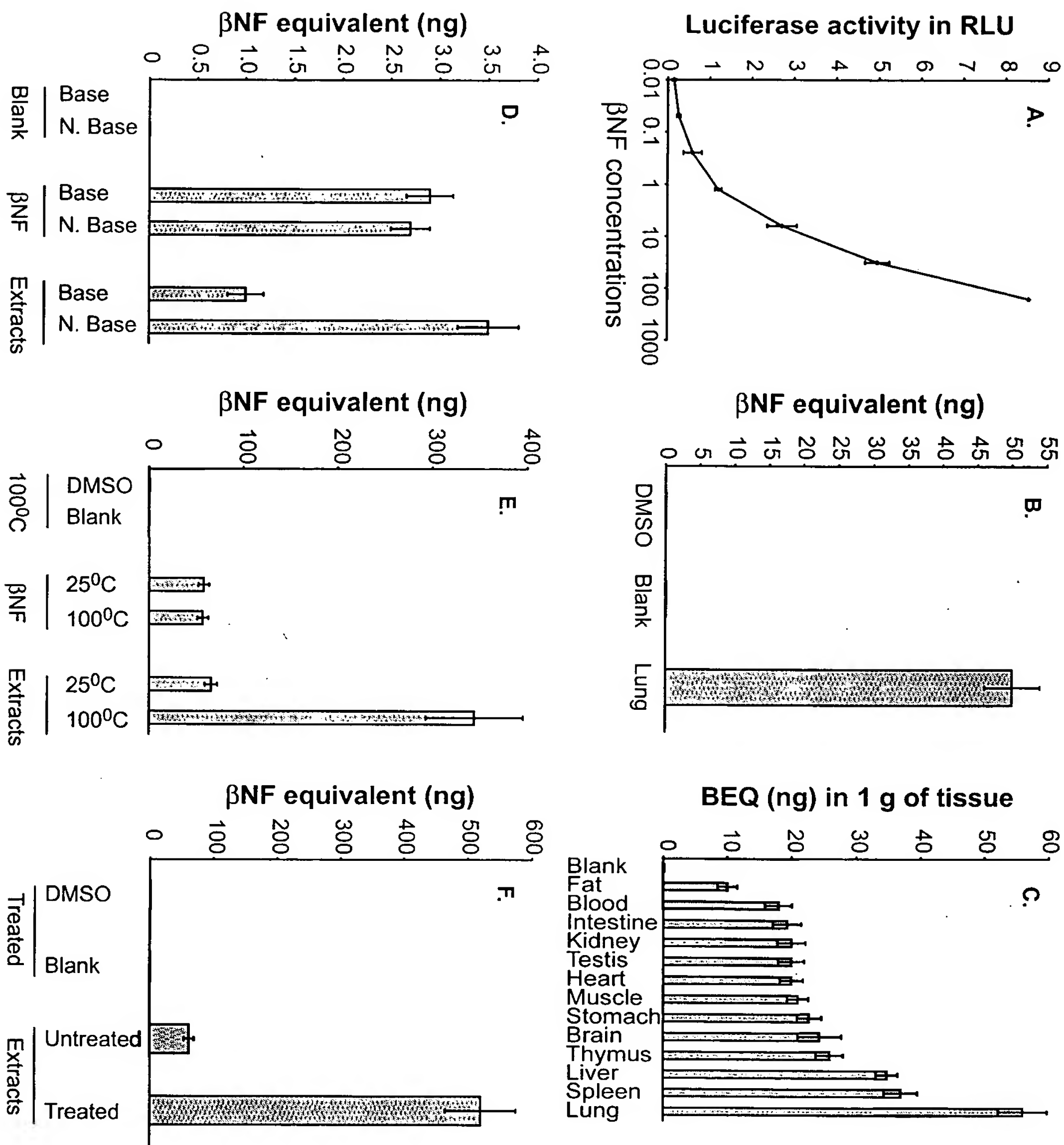


Fig. 2. Preliminary Purification of AhR Ligands

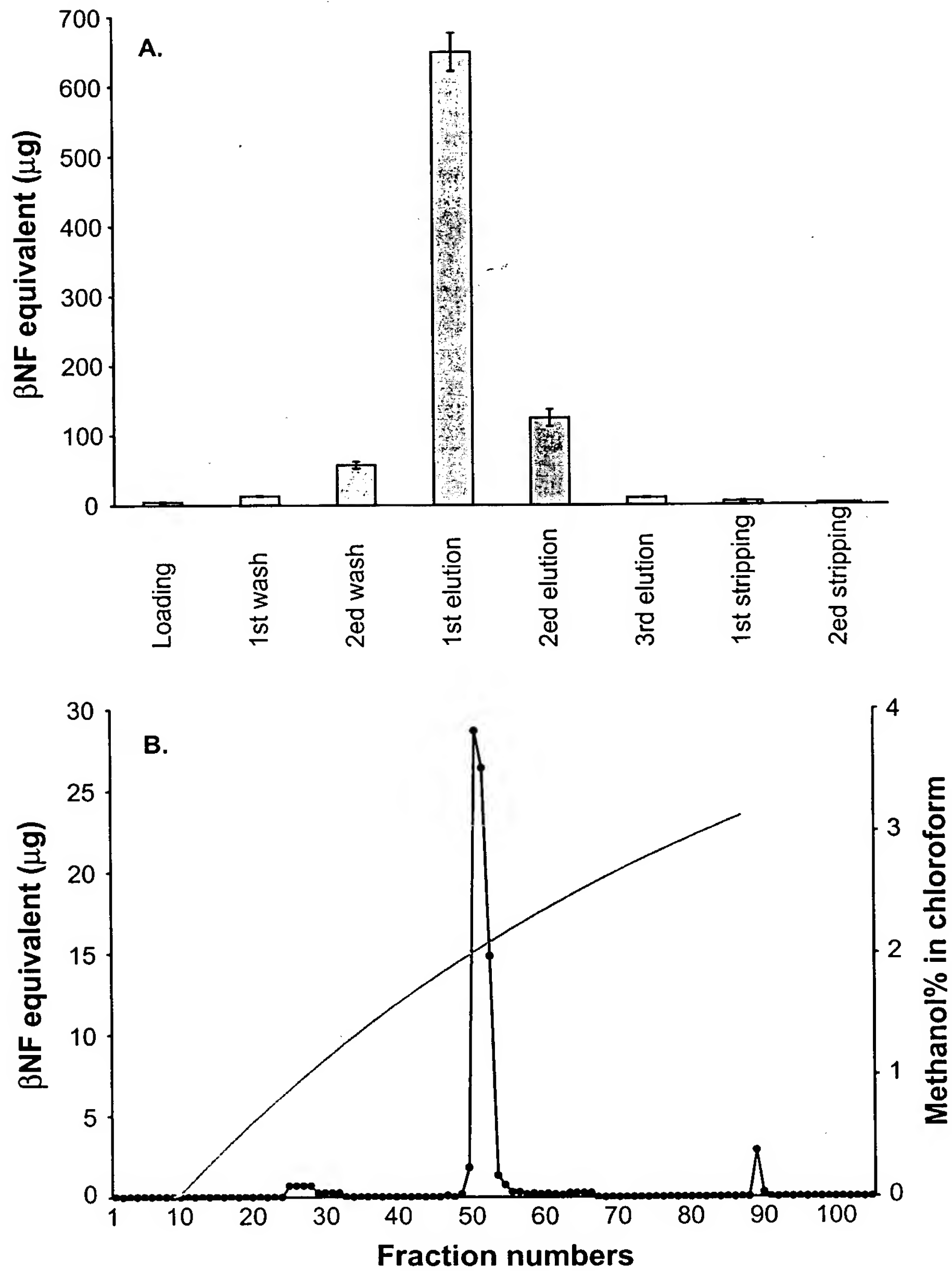


Fig. 3. HPLC Purification of AhR Ligands

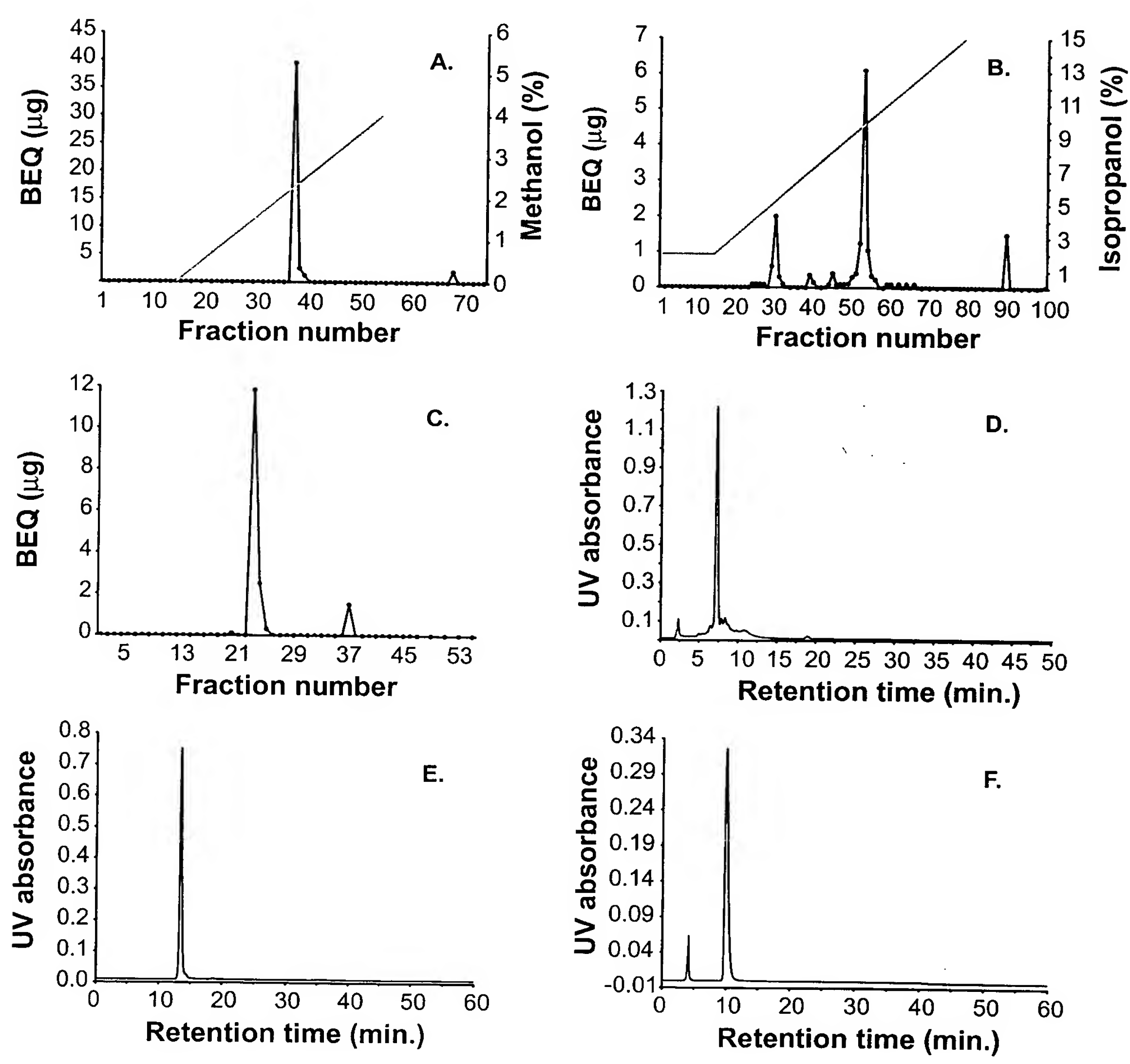


Fig. 4. HPLC Chromatogram and UV Spectrum of the Purified AhR Ligand

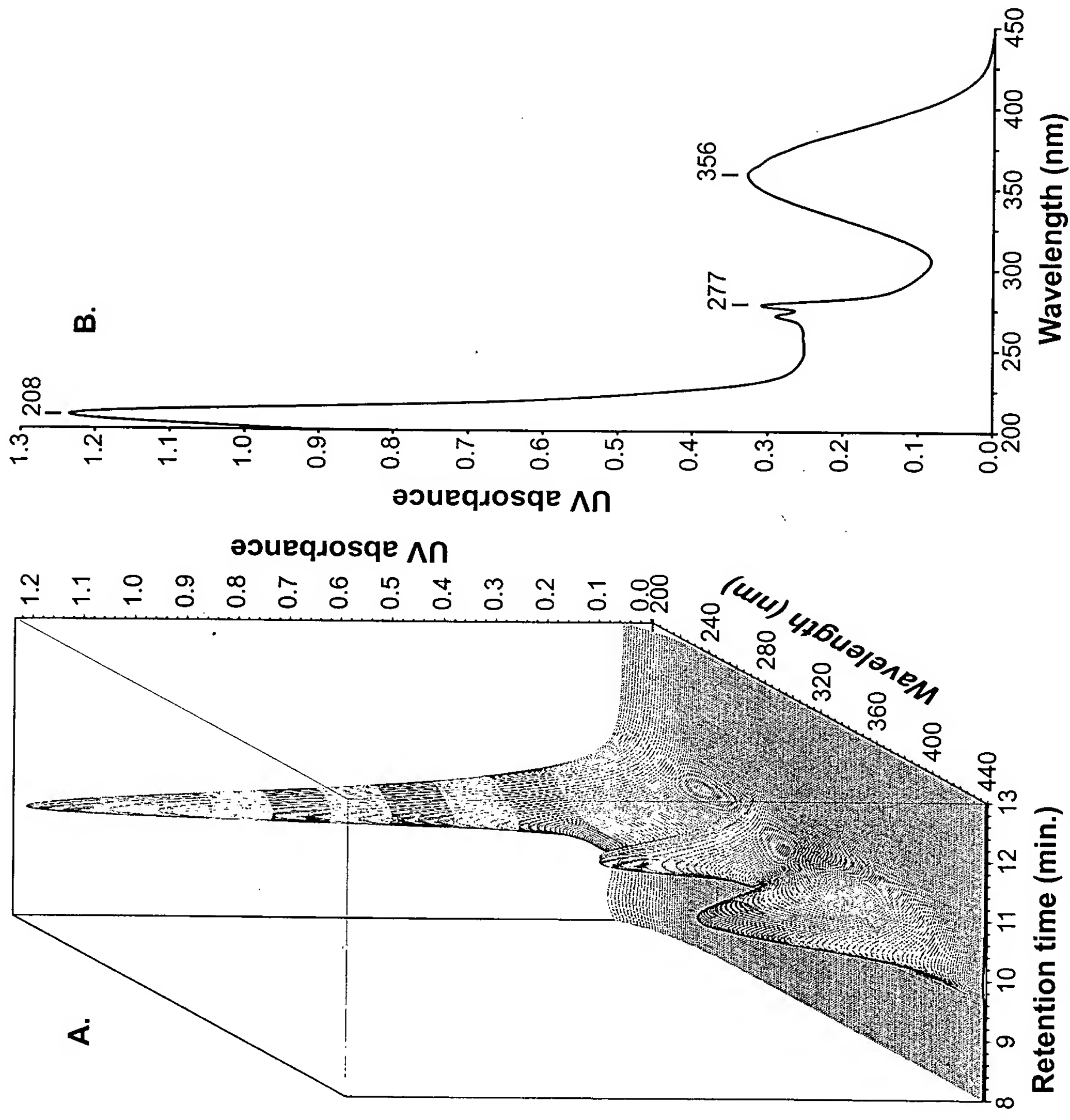


Fig. 5. Electron Impact Mass and FT-IR Spectra

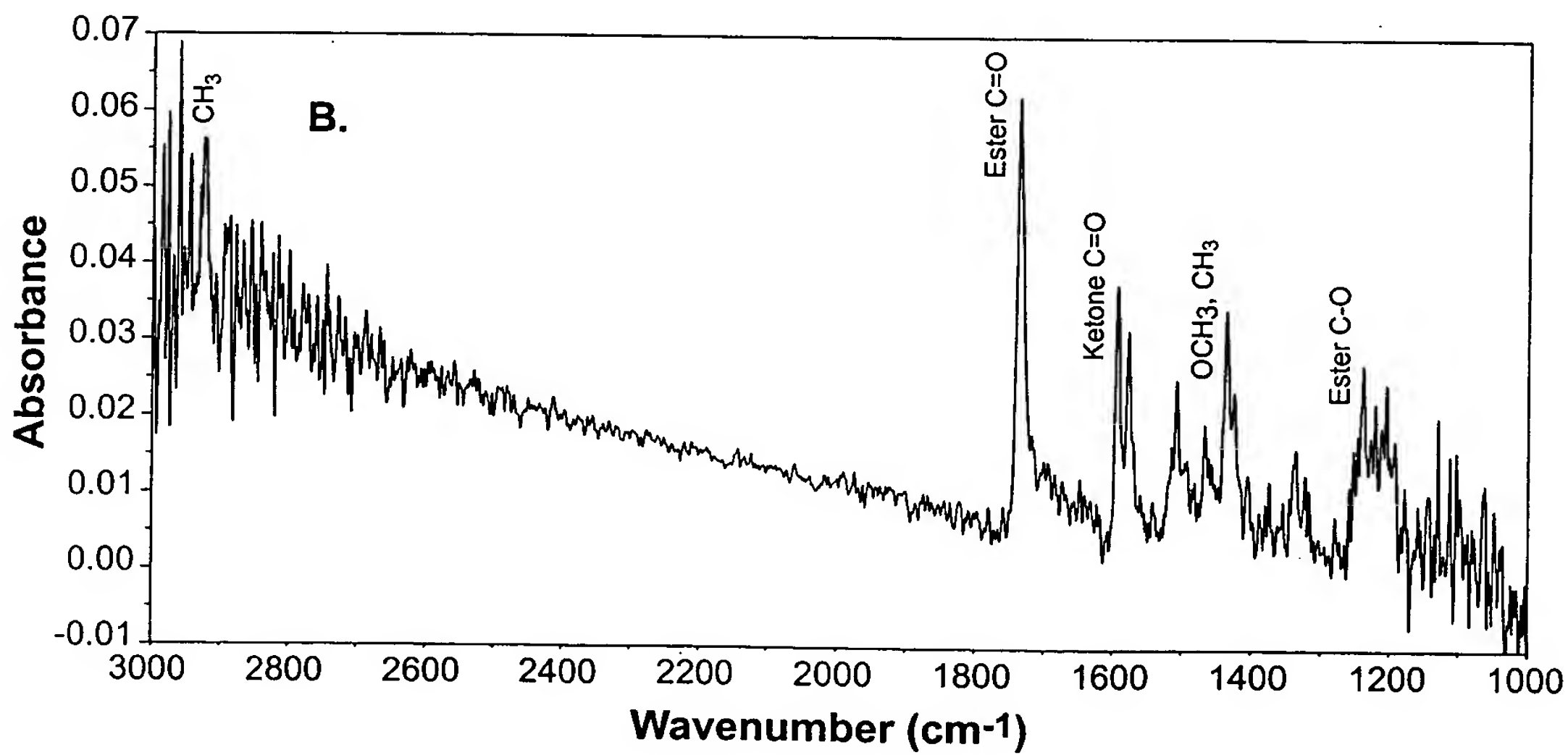
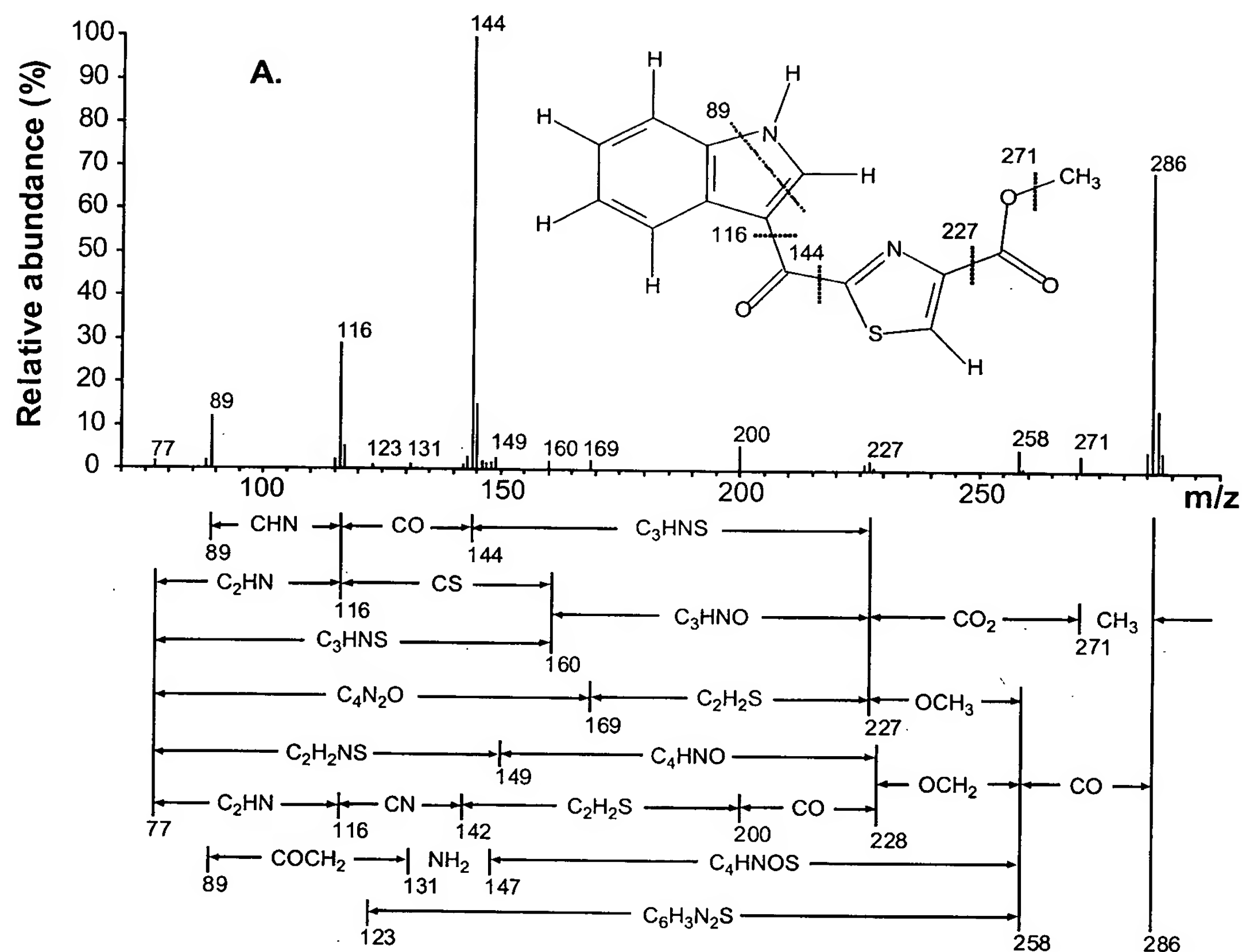
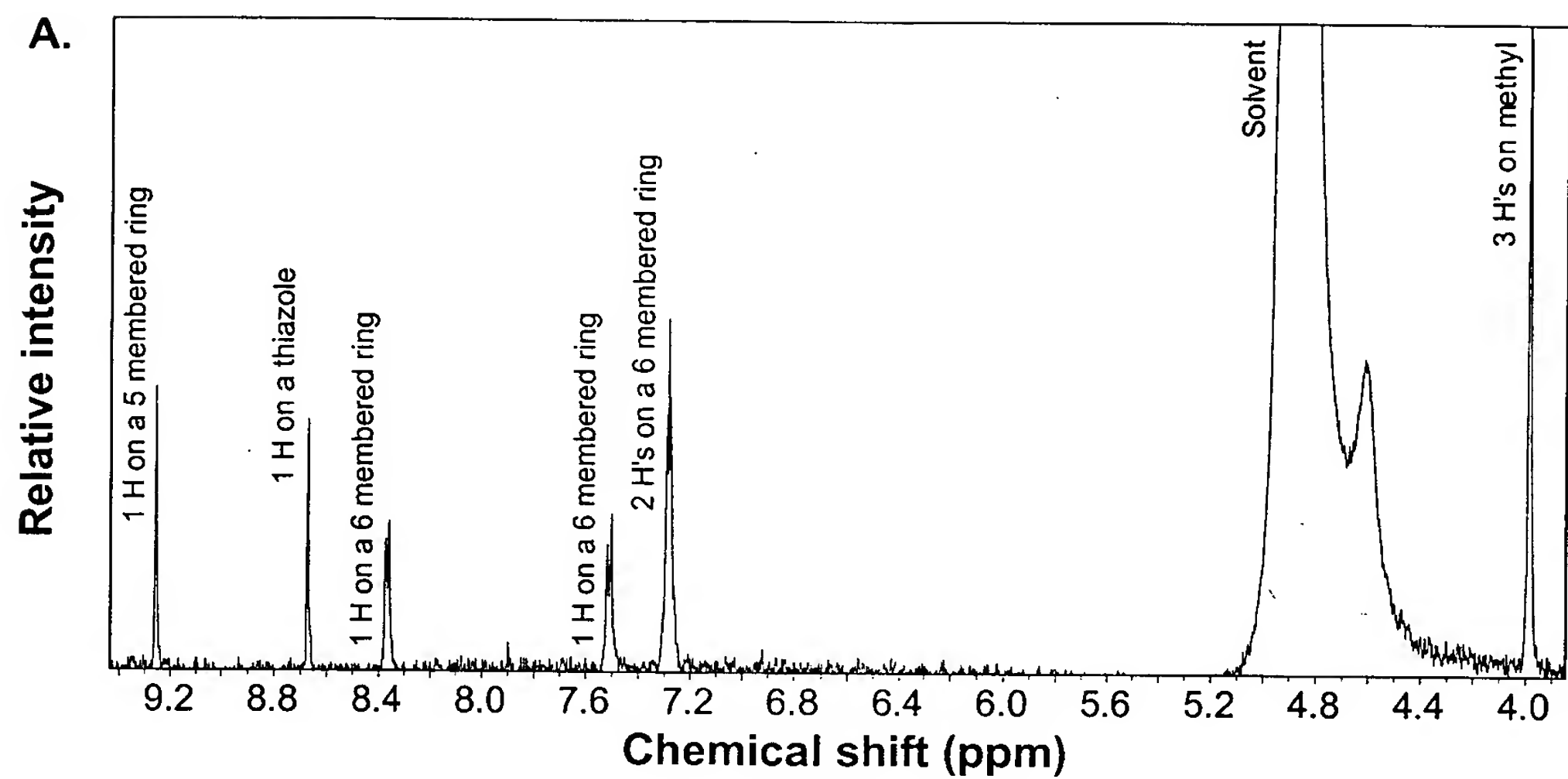


Fig. 6. Proton NMR Spectrum and Proton-carbon-13 Correlation



B.

<sup>1</sup> H (ppm)	Number of <sup>1</sup> H	HSQC <sup>13</sup> C (ppm)	HMBC		
			<sup>13</sup> C (ppm)	<sup>13</sup> C (ppm)	<sup>13</sup> C (ppm)
3.99	3	54.50	165.00		
7.27	1	125.10			
7.28	1	126.15			
7.50	1	114.45	125.10	129.50	
8.36	1	124.25	126.15	139.50	
8.67	1	135.25	150.10	173.10	
9.25	1	141.05	115.10	129.50	139.50

Fig. 7. The Structure of ITE and Dose Responses of ITE and  $\beta$ NF

